

Date: Fri, 9 Sep 94 10:58:47 PDT
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>
Errors-To: Info-Hams-Errors@UCSD.Edu
Reply-To: Info-Hams@UCSD.Edu
Precedence: Bulk
Subject: Info-Hams Digest V94 #1010
To: Info-Hams

Info-Hams Digest Fri, 9 Sep 94 Volume 94 : Issue 1010

Today's Topics:

GB2RS News 11th September 1994
IPS Daily Report - 08 September 94
Motorola Birthday Special Event Station
orbs\$.252.2of2.amsat
repeater database (2 msgs)
SETIQuest Magazine - Exobiology

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>
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Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: Fri, 9 Sep 1994 06:08:24 +0000
From: dog.ee.lbl.gov!agate!howland.reston.ans.net!gatech!newsxfer.itd.umich.edu!
zip.eecs.umich.edu!yeshua.marcam.com!insosf1.infonet.net!news.i-link.com!
news.sprintlink.net!demon@ihnp4.ucsd.edu
Subject: GB2RS News 11th September 1994
To: info-hams@ucsd.edu

Good morning. It's Sunday the 11th of September and here is the GB2RS
news broadcast, prepared by the RSGB and intended for all radio amateurs
and short-wave listeners.

And we start this week with our congratulations to Katie Cannon, who has
passed her 5 words per minute Novice Morse test at the age of only
seven. She took the test at Reading on the 16th of August and is one of
the youngest people to have passed this test.

The seventh Amateur Radio Direction Finding World Championships take place this week in Sweden. For the first time the RSGB has sent an official four-member team to represent the United Kingdom.

Later this month, the 160 metre UK National ARDF Final will be held in Northamptonshire. For information on all types of direction finding, contact Brian Bristow, G4KBB, whose address is correct in the RSGB Call Book.

Now some sad news: Midlands GB2RS news reader Tom Douglas, G3BA, passed away last week. He was well known as someone who put a great deal into amateur radio over many years. He will be greatly missed. A full obituary will appear in the November edition of Radio Communication.

The next RSGB Microwave Round Table meeting takes place on Sunday the 13th of November at the British Telecom Laboratories, Ipswich, Suffolk. The event is organised by the Martlesham Radio Society and will commence at 10am. Attractions will include the usual round table sessions, test equipment and bring and buy facilities. The provisional lecture programme includes talks on 10GHz rainscatter, 24GHz and 47GHz activity, as well as an update on the 10GHz Phase 3D transponder by Freddie, ON6UG. For security reasons, all access is by advanced booking only, and it is important to give the names of all persons attending in a group if you request multiple tickets. Tickets can be obtained by sending a Self Addressed Stamped Envelope to Roy Smith, G0RRC, 'Lykkebo', The Street, Burstall, Ipswich, IP8 3DN.

It has been reported elsewhere that a number of rallies due to be held on Sunday the 25th of September have been cancelled. In fact, only the Peterborough event is cancelled. Four events are still taking place: the Harlow Amateur Radio and Computer Show, the Three Counties Rally, the North Wakefield Radio Club Rally and the Scottish DX Cluster Support Group Junk Sale. Full and accurate information of all of these events can be found in the September edition of Radio Communication. We will of course be giving you details via GB2RS next week.

An RSGB Regional Meeting takes place on Saturday the 22nd of October at the New Friend's Hall, Purdown, Stapleton, Bristol. The doors open at 12.30pm, when light refreshments will be available and the meeting commences at 2pm. Several members of the RSGB Council will be in attendance plus representatives of HQ. Full details will appear in the October edition of RadCom which is scheduled to be posted to all RSGB members within the next ten days.

Now some items of HF DX news from the weekly RSGB DX News Sheet which is edited by Brendan McCartney, G4DY0.

Date: Thu, 8 Sep 1994 23:23:52 GMT
From: netnews.upenn.edu!msuinfo!harbinger.cc.monash.edu.au!news.cs.su.oz.au!metro!
ipso!rwc@RUTGERS.EDU
Subject: IPS Daily Report - 08 September 94
To: info-hams@ucsd.edu

SUBJ: IPS DAILY SOLAR AND GEOPHYSICAL REPORT
ISSUED AT 08/2330Z SEPTEMBER 1994 BY IPS RADIO AND SPACE SERVICES
FROM THE REGIONAL WARNING CENTRE (RWC), SYDNEY.
SUMMARY FOR 08 SEPTEMBER AND FORECAST FOR 09 SEPTEMBER - 11 SEPTEMBER

1A. SOLAR SUMMARY

Activity: low

Flares: none.

Observed 10.7 cm flux/Equivalent Sunspot Number : 89/33

GOES satellite data for 07 Sep

Daily Proton Fluence >1 MeV: 1.9E+06

Daily Proton Fluence >10 MeV: 1.6E+04

Daily Electron Fluence >2 MeV: 5.4E+07

X-ray background: A8.1

Fluence (flux accumulation over 24hrs)/ cm²-ster-day.

1B. SOLAR FORECAST

	09 Sep	10 Sep	11 Sep
Activity	Very low	Very low	Very low
Fadeouts	None expected	None expected	None expected

Forecast 10.7 cm flux/Equivalent Sunspot Number for 09 Sep: 87/30

2A. MAGNETIC SUMMARY

Geomagnetic field at Learmonth: unsettled to active

Estimated Indices : A	K	Observed A Index 07 Sep
Learmonth	19 --44 3333	
Fredericksburg	29	25
Planetary	30	28

Observed Kp for 07 Sep: 3445 5344

2B. MAGNETIC FORECAST

DATE	Ap	CONDITIONS
09 Sep	20	Unsettled to active
10 Sep	20	Unsettled to active
11 Sep	15	Quiet to unsettled

COMMENT: IPS Geomagnetic Warning 3 was issued on 4 September and is current for interval 7-10 September. The current magnetic activity is not as severe as was originally forecast for mid latitudes. High latitude areas have experienced storm conditions, however.

3A. GLOBAL HF PROPAGATION SUMMARY

	LATITUDE BAND		
DATE	LOW	MIDDLE	HIGH
08 Sep	normal	fair-normal	poor-fair

PCA Event : None.

3B. GLOBAL HF PROPAGATION FORECAST

	LATITUDE BAND		
DATE	LOW	MIDDLE	HIGH
09 Sep	normal	fair-normal	poor-fair
10 Sep	normal	fair-normal	poor-fair
11 Sep	normal	normal	fair

4A. AUSTRALIAN REGION IONOSPHERIC SUMMARY

Observed

DATE	T-index	MUFs at Sydney
08 Sep	25	near predicted monthly values

Predicted Monthly T-index for September: 20

4B. AUSTRALIAN REGION IONOSPHERIC FORECAST

DATE	T-index	MUFs
09 Sep	25	Near predicted monthly values
10 Sep	25	Near predicted monthly values
11 Sep	25	Near predicted monthly values

COMMENT: IPS HF Communications Warning 2 was issued on 4 September and is current for interval 7-10 September. Spread F was observed at times during local night, with similar conditions expected for today. Degraded local propagation conditions are expected for today, but MUFs are not expected to be depressed.

--

IPS Regional Warning Centre, Sydney	IPS Radio and Space Services
RWC Duty Forecaster tel: +61 2 4148329	PO Box 5606
Recorded Message tel: +61 2 4148330	West Chatswood NSW 2057
email: rwc@ips.oz.au fax: +61 2 4148331	AUSTRALIA

Date: Thu, 8 Sep 1994 22:49:21 GMT

From: spstimes.sps.mot.com!mogate!newsgate!hofbrau.sps.mot.com!user@uunet.uu.net

Subject: Motorola Birthday Special Event Station

To: info-hams@ucsd.edu

Motorola radio amateurs around the world will be celebrating the 66th birthday of Motorola in September by operating special event stations. Locations participating will be Arizona, Illinois, Texas, Florida, Canada, Singapore, Indonesia, France, Italy, Israel, Japan, and Hong Kong. Additions and callsigns will be announced on the air. Date/Time Period: 25 September 1994 / 0000-2400Z. Some DX operations will be extended to allow for propagation. Operations will be in the General Class portion of the amateur radio bands. All QSL's should be directed to P.O. Box 28246, Tempe, AZ, 85285. Send a 9" x 12" SASE with sufficient return postage (\$0.52 domestic, 2 or 3 IRC's DX).

--

* Chris Terwilliger, AA7WD	a229aa@email.sps.mot.com *
* Motorola	AA7WD@N7MRP.AZ.USA.NA *
* Phoenix Corporate Research Labs	those who forget the past *
* 2100 E. Elliot Rd. EL508	are condemned to repeat it *
* Tempe, AZ 85284	- George Santayana *

Date: 9 Sep 94 14:10:00 GMT
From: news-mail-gateway@ucsd.edu
Subject: orbs\$.252.2of2.amsat
To: info-hams@ucsd.edu

SB KEPS @ AMSAT \$ORBS-252.W
Orbital Elements 252.WEATHER

HR AMSAT ORBITAL ELEMENTS FOR WEATHER SATELLITES
FROM WA5QGD FORT WORTH, TX September 9, 1994
BID: \$ORBS-252.W
TO ALL RADIO AMATEURS BT

Satellite: NOAA-9
Catalog number: 15427
Epoch time: 94250.77061508
Element set: 945
Inclination: 99.0435 deg
RA of node: 302.1944 deg
Eccentricity: 0.0015171
Arg of perigee: 350.3917 deg
Mean anomaly: 9.6960 deg
Mean motion: 14.13639907 rev/day
Decay rate: 5.6e-07 rev/day^2
Epoch rev: 50192
Checksum: 308

Satellite: NOAA-10
Catalog number: 16969
Epoch time: 94250.73664265
Element set: 842
Inclination: 98.5110 deg
RA of node: 257.2257 deg
Eccentricity: 0.0014132
Arg of perigee: 87.2811 deg
Mean anomaly: 272.9991 deg
Mean motion: 14.24903883 rev/day
Decay rate: $1.7\text{e-}07$ rev/day²
Epoch rev: 41425
Checksum: 313

Satellite: MET-2/17
Catalog number: 18820
Epoch time: 94250.39554426
Element set: 391
Inclination: 82.5412 deg
RA of node: 203.1859 deg
Eccentricity: 0.0015983
Arg of perigee: 315.5211 deg
Mean anomaly: 44.4664 deg
Mean motion: 13.84720625 rev/day
Decay rate: $3.6\text{e-}07$ rev/day²
Epoch rev: 33373
Checksum: 299

Satellite: MET-3/2
Catalog number: 19336
Epoch time: 94246.49018649
Element set: 320
Inclination: 82.5381 deg
RA of node: 268.2735 deg
Eccentricity: 0.0018539
Arg of perigee: 67.2957 deg
Mean anomaly: 293.0126 deg
Mean motion: 13.16968553 rev/day
Decay rate: $5.1\text{e-}07$ rev/day²
Epoch rev: 29356
Checksum: 332

Satellite: NOAA-11
Catalog number: 19531
Epoch time: 94250.70637069
Element set: 762
Inclination: 99.1810 deg

RA of node: 241.6693 deg
Eccentricity: 0.0011090
Arg of perigee: 264.3496 deg
Mean anomaly: 95.6404 deg
Mean motion: 14.13014274 rev/day
Decay rate: 6.0e-07 rev/day^2
Epoch rev: 30679
Checksum: 295

Satellite: MET-2/18
Catalog number: 19851
Epoch time: 94246.56910060
Element set: 321
Inclination: 82.5172 deg
RA of node: 81.4335 deg
Eccentricity: 0.0015197
Arg of perigee: 11.7751 deg
Mean anomaly: 348.3746 deg
Mean motion: 13.84371453 rev/day
Decay rate: 2.0e-07 rev/day^2
Epoch rev: 27853
Checksum: 299

Satellite: MET-3/3
Catalog number: 20305
Epoch time: 94247.84879149
Element set: 137
Inclination: 82.5512 deg
RA of node: 214.8917 deg
Eccentricity: 0.0007981
Arg of perigee: 92.6591 deg
Mean anomaly: 267.5439 deg
Mean motion: 13.04426670 rev/day
Decay rate: 4.4e-07 rev/day^2
Epoch rev: 23328
Checksum: 321

Satellite: MET-2/19
Catalog number: 20670
Epoch time: 94246.22753404
Element set: 824
Inclination: 82.5492 deg
RA of node: 146.4951 deg
Eccentricity: 0.0014715
Arg of perigee: 292.4370 deg
Mean anomaly: 67.5233 deg
Mean motion: 13.84182449 rev/day
Decay rate: -8.4e-07 rev/day^2

Epoch rev: 21141
Checksum: 301

Satellite: FY-1/2
Catalog number: 20788
Epoch time: 94251.22505974
Element set: 71
Inclination: 98.8280 deg
RA of node: 268.7042 deg
Eccentricity: 0.0016171
Arg of perigee: 138.0415 deg
Mean anomaly: 222.1909 deg
Mean motion: 14.01315639 rev/day
Decay rate: $-2.7e-07$ rev/day²
Epoch rev: 20533
Checksum: 285

Satellite: MET-2/20
Catalog number: 20826
Epoch time: 94249.01489895
Element set: 835
Inclination: 82.5210 deg
RA of node: 81.6755 deg
Eccentricity: 0.0012936
Arg of perigee: 175.7635 deg
Mean anomaly: 184.3668 deg
Mean motion: 13.83588735 rev/day
Decay rate: $5.3e-07$ rev/day²
Epoch rev: 19893
Checksum: 351

Satellite: MET-3/4
Catalog number: 21232
Epoch time: 94246.60325885
Element set: 731
Inclination: 82.5424 deg
RA of node: 114.1705 deg
Eccentricity: 0.0014309
Arg of perigee: 354.0476 deg
Mean anomaly: 6.0480 deg
Mean motion: 13.16464228 rev/day
Decay rate: $5.0e-07$ rev/day²
Epoch rev: 16167
Checksum: 272

Satellite: NOAA-12
Catalog number: 21263
Epoch time: 94250.70514379

Element set: 171
Inclination: 98.6126 deg
RA of node: 276.6469 deg
Eccentricity: 0.0013361
Arg of perigee: 1.7209 deg
Mean anomaly: 358.4004 deg
Mean motion: 14.22444842 rev/day
Decay rate: 8.4e-07 rev/day^2
Epoch rev: 17223
Checksum: 284

Satellite: MET-3/5
Catalog number: 21655
Epoch time: 94250.95119570
Element set: 739
Inclination: 82.5488 deg
RA of node: 58.2862 deg
Eccentricity: 0.0013781
Arg of perigee: 356.1519 deg
Mean anomaly: 3.9492 deg
Mean motion: 13.16834104 rev/day
Decay rate: 5.1e-07 rev/day^2
Epoch rev: 14735
Checksum: 314

Satellite: MET-2/21
Catalog number: 22782
Epoch time: 94243.24645844
Element set: 332
Inclination: 82.5514 deg
RA of node: 146.9692 deg
Eccentricity: 0.0023665
Arg of perigee: 18.4976 deg
Mean anomaly: 341.7038 deg
Mean motion: 13.83014037 rev/day
Decay rate: 8.9e-07 rev/day^2
Epoch rev: 5046
Checksum: 311

/EX

SB KEPS @ AMSAT \$ORBS-252.M
Orbital Elements 252.MISC

HR AMSAT ORBITAL ELEMENTS FOR MANNED AND MISCELLANEOUS SATELLITES
FROM WA5QGD FORT WORTH, TX September 9, 1994
BID: \$ORBS-252.M
TO ALL RADIO AMATEURS BT

Satellite: POSAT

Catalog number: 22829
Epoch time: 94243.20371906
Element set: 313
Inclination: 98.6454 deg
RA of node: 318.3232 deg
Eccentricity: 0.0010119
Arg of perigee: 342.4454 deg
Mean anomaly: 17.6372 deg
Mean motion: 14.28038204 rev/day
Decay rate: 5.0e-08 rev/day^2
Epoch rev: 4840
Checksum: 266

Satellite: MIR

Catalog number: 16609
Epoch time: 94251.20537460
Element set: 751
Inclination: 51.6466 deg
RA of node: 131.0215 deg
Eccentricity: 0.0001551
Arg of perigee: 29.3923 deg
Mean anomaly: 330.7156 deg
Mean motion: 15.56960259 rev/day
Decay rate: 2.575e-05 rev/day^2
Epoch rev: 48895
Checksum: 298

Satellite: HUBBLE

Catalog number: 20580
Epoch time: 94251.17564075
Element set: 533
Inclination: 28.4700 deg
RA of node: 62.8744 deg
Eccentricity: 0.0006129
Arg of perigee: 234.9428 deg
Mean anomaly: 125.0586 deg
Mean motion: 14.90666428 rev/day
Decay rate: 4.55e-06 rev/day^2
Epoch rev: 4178
Checksum: 300

Satellite: GRO

Catalog number: 21225
Epoch time: 94250.71184672
Element set: 137
Inclination: 28.4634 deg
RA of node: 19.1121 deg

Eccentricity: 0.0003345
Arg of perigee: 73.0629 deg
Mean anomaly: 287.0534 deg
Mean motion: 15.41218139 rev/day
Decay rate: 2.466e-05 rev/day^2
Epoch rev: 6968
Checksum: 282

Satellite: UARS
Catalog number: 21701
Epoch time: 94245.53359212
Element set: 584
Inclination: 56.9840 deg
RA of node: 209.1014 deg
Eccentricity: 0.0004516
Arg of perigee: 108.4708 deg
Mean anomaly: 251.6814 deg
Mean motion: 14.96457348 rev/day
Decay rate: -2.164e-05 rev/day^2
Epoch rev: 16251
Checksum: 290

/EX

Date: 8 Sep 1994 17:57:22 GMT
From: thecourier.cims.nyu.edu!longlast.cs.nyu.edu!jackson@nyu.arpa
Subject: repeater database
To: info-hams@ucsd.edu

Self followup. I found the database. I poked through
upenn's localhosts file and found that while mipg.upenn.edu
doesn't exist anymore, mipgsun.mipg.upenn.edu does.

It's under pub/yee as rp010.Z as purported on the Mosaic
screens. If there are any maintainers watching, here's
your chance to update your screens.

--

Steven Jackson, Assistant to the Chair of Computer Science
Courant Institute of Mathematical Sciences, New York University
251 Mercer Street, NY NY 10012

Work <-- (forwarded) Home
jackson@cs.nyu.edu, jcksnste@acfccluster.nyu.edu, sjackson@cjbbs.com

Date: 8 Sep 1994 17:50:10 GMT
From: thecourier.cims.nyu.edu!longlast.cs.nyu.edu!jackson@nyu.arpa
Subject: repeater database
To: info-hams@ucsd.edu

is it me or did the repeater database creators drop off
the face of the earth? All of the mosaic forms interfaces
to the database seem fine, but I can't FTP the entire
file from anywhere. mipg.upenn.edu is gone, and Lou
Williams, whose name appears all over the pages as the
maintainer is no longer known at ncsu.

Perhaps someone here can tell me where to FTP the entire
file from?

Many thanks..

--
Steven Jackson, Assistant to the Chair of Computer Science
Courant Institute of Mathematical Sciences, New York University
251 Mercer Street, NY NY 10012

Work <-- (forwarded) Home
jackson@cs.nyu.edu, jcksnste@acfccluster.nyu.edu, sjackson@cjbbs.com

Date: 8 SEP 94 18:06:47 EST
From: pa.dec.com!nntpd.lkg.dec.com!mtwain.enet.dec.com!klaes@decwrl.dec.com
Subject: SETIQuest Magazine - Exobiology
To: info-hams@ucsd.edu

SETIQuest is a new quarterly print/electronic mail (E-mail)
periodical containing news, technical information, and tutorials
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Philosophical issues regarding the prospects of success and failure in the search

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Publications Watch: Summaries of recent scientific/general publications relevant to SETI

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(what else do you do after starting BYTE?)
INTERNET: carl@pixelacres.mv.com
SNAILMAIL: 174 Concord Street, Peterborough, NH 03458
PHONE: 603-924-9631 --- FAX: 603-924-7408

Date: (null)
From: (null)

Date: (null)

From: (null)

Date: (null)

From: (null)

Now the rallies we know of for today, Sunday the 11th of September:

The British Amateur Radio Teledata Group (BARTG) Rally is being held at the Sandown Exhibition Centre, Sandown Park Racecourse, Esher, Surrey. There is easy access from junction 10 of the M25, which is not far from the M3, M4 and M40 motorways. Doors open at 10.30am. The event features many exhibitors and special interest groups, covering radio, computers, peripherals, software, books, kits and test equipment, all with the emphasis on Data Communications. Refreshments are available.

The Cranfield Amateur Radio Car Boot Sale (organised by the Milton Keynes and District Amateur Radio Society) is being held at Cranfield Airfield, Bedfordshire. The airfield is located near the M1 Motorway. Take junction 13, if travelling from the south or 14 if arriving from the north. Doors open at 9.30am. Talk-in is on two metres, channel S22.

Also the Lincoln Short Wave Club 'Hamfest' is being held at the Lincolnshire Showground and Exhibition Centre, situated some four miles north of Lincoln on the A15, Lincoln to Scunthorpe road. Doors open at 10.30am. The event features all the usual trade stands and a bring and buy stall. The site also has lots of attractions for other family members. Refreshments are available and talk-in is on channel S22.

Next the only event we know of for next weekend:

On Saturday the 17th of September the Scottish Amateur Radio Convention and Computer Show (SARCON) is to be held at the Cults Community Centre which is situated some two miles west of Aberdeen on the A93 road. Doors open at 10.30am, or at 10.00 for disabled visitors. The event features many trade stands, an RSGB Bookstall and enquiries stand, computer and special interest group stands, a bring and buy stall and a lecture programme. The RSGB Morse Test will be available on demand, subject to the usual fee and the need to bring two passport size photographs. Refreshments will be available and talk-in will be on two metres, channel S22. Further details from Martin, G00JCN on 0569 731177.

Now for the HF contest news:

The Scandinavian Activity CW Contest takes place from 1500 on Saturday

the 17th until 1800 on Sunday the 18th on the 3.5 to 28MHz, but not the WARC bands. See September RadCom page 18 for more information.

The RSGB 21/28MHz SSB Contest takes place from 0700 to 1900 UTC on Sunday the 2nd of October. See June RadCom page 82 for full details.

Next some VHF contest news:

Another RSGB 24GHz Summer Cumulative Contest takes place from 0900 to 2100 UTC today, Sunday the 11th. See April's RadCom for details.

Also today, the Worked All Britain 144MHz High Power Phone Contest take place from 0900 to 1700 UTC and there are sections for fixed, portable, mobile and Short Wave Listener stations.

The RSGB 70MHz Trophy and SWL Contest takes place from 0900 to 1400 UTC on Sunday the 25th of September. There are three sections: Single Operator fixed, All others and Listeners. See July Radcom page 82 for further details.

Special event stations active during this week include:

GB20WM which is active until Thursday the 15th from the Orkney Wireless Museum on the island of Ronaldsay, WAB area ND49, during the Fourth Orkney Science Festival.

Today, GB0RAF is operated by members of the RAF Amateur Radio Society from the Lincoln Hamfest, which will be on 80 and 40 metres, CW and SSB. Also GX8MWA and GX5MW which will be operated by the Medway Amateur Receiving and Transmitting Society at the Strood Steam Rally, and GB2NFR will be on air from the North Foreland area of East Kent, commemorating the wartime radar sites operated from there.

And now the solar factual data:

The period from the 29th of August to the 4th of September saw a considerable rise in sunspot indices, solar flux levels and the X-Ray flux. Two M class flares were reported, but the geomagnetic field has remained generally quiet.

On the 30th of August sunspot group number 7773 rotated into view and two M class flares erupted, the first an M1.1/SF and the second an M1.4/SF. Smaller sub-flares and radio noise bursts were also reported. The daily sunspot indices started the period at 23 and rose every day reaching 101 by the 3rd giving a mean of 47. Solar flux levels have also climbed from 78 units on the 29th of August up to 94 units by the 4th of

September, with the period averaging 86 units. The 90 day flux average was 78 units on the 4th of September.

Geomagnetic activity has been quiet throughout the period with the Ap indices averaging 5.5 units. The state has been 'Nil nothing to report'. The aa indices for the 23rd to the 29th of August, as supplied by the British Geological Survey, was quiet with the daily indices averaging 12.9 nanoTeslas, about K2. There were many periods down to only 5 nanoTeslas.

The X-Ray flux levels increased very considerably, reaching B4.3 on the 30th. The period averaged B1.9 units. The electron fluence levels have been at moderate throughout the period. This, and the seasonal changes, have resulted in a modest improvement of ionospheric conditions. The monthly RI sunspot number for August was 22.8 with a maximum of 44 on the 14th and a minimum of 10 on the 2nd and 22nd. The smoothed sunspot number for February 1994 was RI 35.0 +/-5. Bartells rotation 2199 started on the 30th of August.

I'll repeat the figures. Spots - 47; Flux - 86; Ap index-5.5; X-ray flux B1.9. August Spots RI 22.8.

Now the ionospheric data for Central France:

The F2 daytime critical frequencies at Poitiers, as reported by Meudon, averaged 6.7MHz, though the 30th and 31st of August were up to 7.2MHz. The darkness hour lows averaged 3.0MHz, though levels varied from 2.8 up to 3.6MHz. No spread F was reported, showing that the ionosphere is stabilizing considerably. The highs are now around 20.00 hours and the darkness lows around 04.00 hours.

I'll repeat the figures. Highs - 6.7MHz; lows - 3.0MHz.

Now the ionospheric data for the north:

The F2 daytime critical frequency data from Ekaterinberg is now available again and from the data we have, the daytime levels are about 5.7MHz and the darkness hour levels 3.5MHz. We hope to catch up next week.

I'll repeat the figures: Highs - 5.7MHz; lows - 3.5MHz.

And lastly the solar forecast:

This week, the quieter side of the sun will be looking our way and solar flux levels are expected to be about 75 units, with geomagnetic activity quiet. Ionospheric MUFs in the south during daylight are expected to

reach 21MHz, and the darkness hours about 10MHz. Northern stations should find the ionosphere more stable now. North/south paths are expected to be the best.

And that's the end of the solar information.

Finally in the main news, SSL has informed the Society that as of last Wednesday morning, the latest callsigns allocated were in the G0 Victor Foxtrot and G7 Tango Quebec series, and Novice calls in the 2 0 Alpha India and 2 1 Delta Juliet series.

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GB2RS is prepared by the Radio Society of Great Britain and is broadcast in the 80m, 40m, 6m and 2m bands.

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End of Info-Hams Digest V94 #1010
